

ABSTRACT OF THE DISCLOSURES

A bulk acoustic wave multiplexer controlled by micro-electro-mechanical switches, it comprises: a substrate; a wave-filtering device disposed on the substrate; an input port disposed on one side of the wave-filtering device; an output port disposed on another side of the wave-filtering device; and micro-electro-mechanical switches disposed on the wave-filtering device for controlling the bulk acoustic wave multiplexer; the present invention provides a bulk acoustic wave multiplexer device having miniaturized size and less interference integrated with micro-electro-mechanical switch devices, so as to operate multiplexing function.